FIG. 1

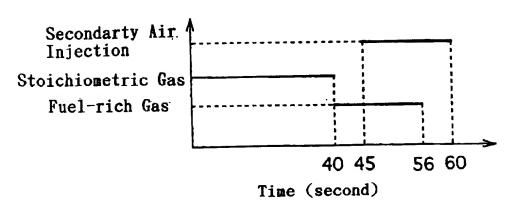


FIG. 2 0.16 0.14 NMHC (g/mile) 0.12 0.1 0.08 0.06 0.04 0.02 Ex. No. 5 Ex. No. 2 Ex. No. 3 Ex. No. 4 Ex. No. 1 Comp. Ex. No. 2 Comp. Ex. No. 4 CORD. Ex. No. 3 Comp. Ex. No. 1

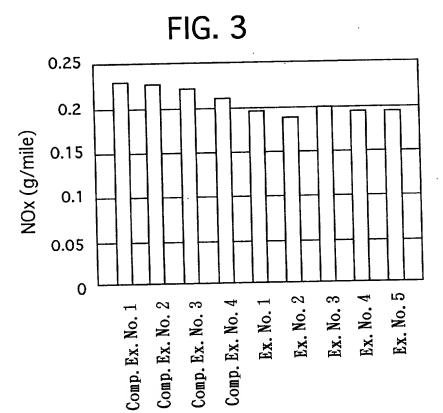


FIG. 4

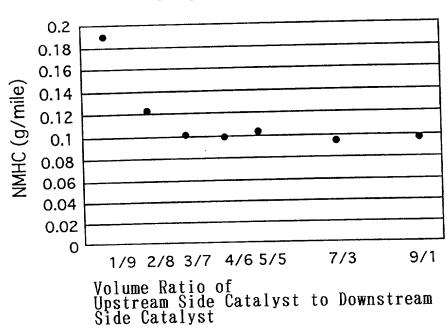
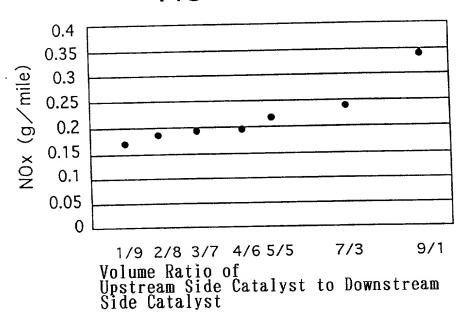
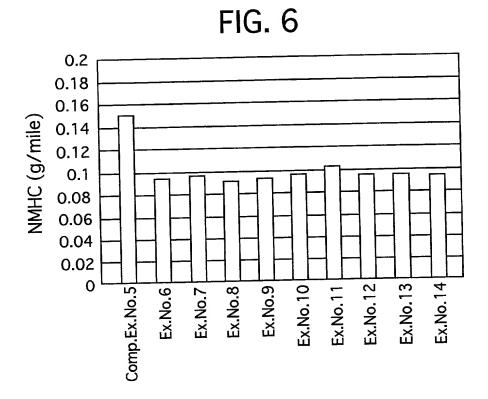


FIG. 5





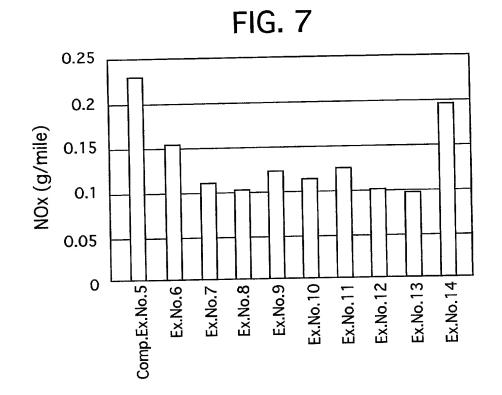
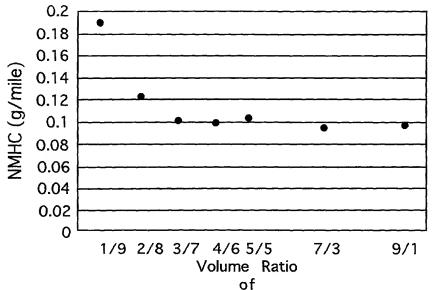
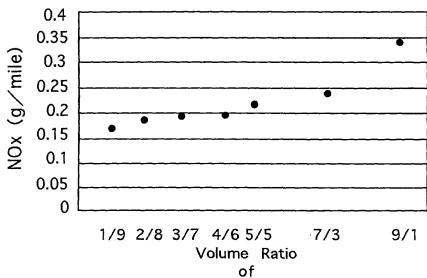


FIG. 8



Upstream Side Catalyst to Downstream Side Catalyst

FIG. 9



Upstream Side Catalyst to Downstream Side Catalyst

FIG. 10

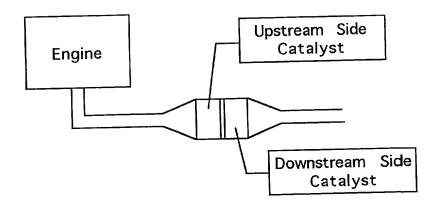


FIG. 11

